

## ABSTRACT

A nonaqueous gel composition for tooth whitening,  
5 comprising: (A) tooth whitening ingredient having a relative  
permittivity of 17.0 to 43.0 (at 25°C) and a vapor pressure  
of 0 to 7000 kPa (at 25°C), (B) substance that is soluble in  
the tooth whitening ingredient and is precipitated by an  
aqueous solution of calcium chloride, and (C) gelling agent,  
10 which nonaqueous gel composition contains substantially none  
of water and peroxide. This tooth whitening component can  
penetrate into the enamel surface layer of teeth to thereby  
alter the optical properties, such as refractive index and  
reflectance, of the enamel so that the enamel is apparently  
15 whitened. The whitened teeth can be restored to the original  
tooth color in a reversible manner in the presence of water.  
Further the persistence of reversible whitening effect can be  
strikingly enhanced by the nonaqueous gel composition.